

# FETT LM 2

Multi purpose EP and high temperature lithium complex grease

## Description

**FETT LM 2** is a premium, high performance grease that is formulated using high viscosity index mineral oil and lithium complex soap, supported with best additives that suits the lubrication of slow moving, heavily loaded bearings. With the presence of molybdenum disulfide (MoS<sub>2</sub>) are on stand-by in the lubrication will be very useful when it is impossible to apply the grease to the bearing. It also allows the replacement period is longer because of good stability of the grease.

## Applications

**FETT LM 2** is recommended for the lubrication of slow moving, heavy duty bearings under heavy loads, shock loads, and vibration, usually in mining operations and steel industries. The presence of extreme pressure and antiwear additives enable this grease to form a layer of lubricant film is able to withstand the mechanical stresses caused by a

combination of shock loading and sliding contact. The welding point test (Four Ball EP) provides up to 560 kgf minimum tolerance.

In general, it can be used for centralized grease systems, e.g. for systems used in rolling mills and on the slideways to suppress the formation of heat.

## Advantages

- ▶ Excellent mechanical stability
- ▶ Very good rust and oxidation characteristics
- ▶ Very good extreme pressure performance under heavy load condition and high temperature
- ▶ Excellent water resistance properties
- ▶ High droppoint point
- ▶ Highly adherent properties
- ▶ Lead and Nitrite Free

## Typical Data of FETT LM 2

Characteristics	Unit	FETT LM 2	Test Method
NLGI Grade		2	
Color		Black	
Base Oil		Mineral	
Soap Type		Lithium Complex	
MoS <sub>2</sub> Content	%wt	3.0	
Kinematic Viscosity @ 40°C	cSt	460	ASTM D 445
Drop Point Oil Bath	°C	260	ASTM D 566
Worked Penetration, 60 strokes @ 25°C	dmm	265-295	ASTM D 217
Oil Separation, 30 hours @ 100 °C	%wt	2.5 max.	ASTM D 6184
Emcor Rust Test, rating		0.0	IP 220
Four Ball EP, Weld Point	kg	560 min	ASTM D 2596
Water Wash-Out, 1 hour @ 79 °C	%wt	3.0 max.	ASTM D 1264

\* the typical characteristic mentioned represent mean values